PHYSICAL TYPE VALUES

The tables in this appendix define the database type translations for the physical types you select in EpiCenter Manager's Base Dimension and External Tables dialog boxes. The physical type you select is replaced by its associated database type. The translation of physical type to database type depends on your RDBMS platform.

Notes to sites that use their own database types and SQL macros:

The various fact semantic types (such as Transactional/Statelike) use SUM() operators over the fact columns. New tables are created via SELECT INTO from the result.

With decimal data types such as NUMBER(16,4) that logically map to a NUMERIC(16,4) SQL Server datatype, repeated SUM operations within SQL Server may cause an automatic increase in the column precision, ultimately resulting in a NUMERIC(38) field, which occupies 17 bytes per record. For this reason, both FACTMONEY and FACTQTY map to the MONEY database type in SQL Server. This database type occupies only 8 bytes per record

Table 26 lists SQL Server physical type values.

TABLE 26: SQL SERVER PHYSICAL TYPE VALUES

Physical Type	Database Type
BIGDATE	DATETIME
CHAR_1	CHAR(1)
DOUBLESTRING	VARCHAR(21)
EPIINT	INT

TABLE 26: SQL SERVER PHYSICAL TYPE VALUES

Physical Type	Database Type
EPIKEY	INT
FACTMONEY	MONEY
FACTQTY	MONEY
IDENTITY	INT IDENTITY
LONGSTRING	VARCHAR(11)
MONEYSTRING	VARCHAR(21)
NUMBER(9,5)	DECIMAL(9,5)
SMALLDATE	SMALLDATETIME
SMALLINT	SMALLINT
SSKEY	VARCHAR(50)
TINYINT	TINYINT
VARCHAR_5	VARCHAR(5)
VARCHAR_15	VARCHAR(15)
VARCHAR_25	VARCHAR(25)
VARCHAR_50	VARCHAR(50)
VARCHAR_100	VARCHAR(100)
VARCHAR_255	VARCHAR(255)

Table 27 lists Oracle physical type values.

TABLE 27:   ORACLE PHYSICAL TYPE VALUES

Physical Type	Database Type
BIGDATE	DATE
CHAR_1	CHAR(1)
DOUBLESTRING	VARCHAR2(21)
EPIINT	NUMBER(10)
EPIKEY	NUMBER(10)
FACTMONEY	NUMBER(19,4)
FACTQTY	NUMBER(19,4)
IDENTITY	NUMBER(10)
LONGSTRING	VARCHAR2(11)
MONEYSTRING	VARCHAR2(21)
NUMBER(9,5)	NUMBER(9,5)
SMALLDATE	DATE
SMALLINT	SMALLINT
SSKEY	VARCHAR2(50)
TINYINT	SMALLINT
VARCHAR_5	VARCHAR2(5)
VARCHAR_15	VARCHAR2(15)
VARCHAR_25	VARCHAR2(25)
VARCHAR_50	VARCHAR2(50)
VARCHAR_100	VARCHAR2(100)
VARCHAR_255	VARCHAR2(255)